

VERZHIOVSKAYA, N. V.

Verzhikovskaya, N. V.

"Investigation of iodine metabolism in the organism as a function of the quality of nutrition." Kiev Order of Labor Red Banner Medical Inst imeni Academician A. A. Bogomolets. Kiev, 1956. (Dissertation for the Degree of Candidate in Medical Sciences).

Knizhnaya letopis'  
No. 21, 1956. Moscow.

VERZHITSKIY, A.M., inzhener.

The B-656 excavator. Mekh.stroi.13 no.4:9-10 Ap '56. (MIRA 9:7)  
(Excavating machinery)

VERZHITSKIY, A M

N/5  
662.312  
.V5

Zemlerovnyye Mashiny (Earth Moving Machines)  
Spravochnoye Posoviye (By) A. M. Verzhitskiy i  
A. Ye Lemberg. Moskva, Gosstroyizdat, 1954.

130 p. Diagrs., Tables.

At Head of Title: Moscow. Vsesoyuznyy Nauchno-  
issledovatel'skiy Institut Organizatsii i Mekhanizatsii  
Stroitel'stva.

VERZHITSKIY, A.M.

[Excavating machinery] Zemleroi nye machiny. Moskva, Gos. izd. lit. po  
stroit-vu i arkh-re, 1954. 132 p. (MIRA 7:12D)

VERZHITSKIY, A.M.

KOSTIN, M.I.; SHIMANOVICH, S.V.; VERZHITSKIY, A.M., inzhener, rezensent;  
BOYKO, A.O., inzhener, redaktor; NIKHONOV, A.Ya., tekhnicheskiy  
redaktor.

[Excavating machinery; handbook] Ekskavatory; spravochnik. Moskva,  
Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1954.  
493 p. (MLBA 7:10)

(Excavating machinery)

VERZHITSKIY, A.M., inzhener.

~~The~~ "801" excavator. Stroil. i dor.mashinostr.1 no.2:9-13 P '56.

(MIRA 10:1)

(Excavating machinery)

KOSTIN, Mikhail Ivanovich; SHIMANOVICH, Stanislav Vladimirovich;  
VERZHITSKIY, A.M., inzh., retsenzent; KORABLEVA, R.M., inzh.,  
red.; UVAROVA, A.F., tekhn.red.

[Excavators; a handbook] Ekskavatory; spravochnik. Izd.2.,  
dop. i perer. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.  
lit-ry, 1959. 523 p. (MIRA 12:6)  
(Excavating machinery)

VERZHITSKIY, A.M.

SOKOLOV, K.M. YEVSTAFYEV, S.V.; ROSTOTSKIY, V.K.; STANKOVSKIY, A.P.;  
 VARENIK, Ye.I.; ONUFRIYEV, I.A.; SVESHNIKOV, I.P.; UKHOV, B.S.;  
 BAUMAN, V.A.; BARSOV, I.P.; BASHINSKIY, S.V.; BOYKO, A.G.; VALUTSKIY,  
 I.I.; ZAPOL'SKIY, V.P.; ZOTOV, V.P.; IVANOV, V.A.; KAZARINOV, V.M.;  
 LEVI, S.S.; MALOLETKOV, Ye.K.; MERENKOV, A.S.; MIROPOL'SKAYA, N.K.;  
 OSIPOV, L.G.; PEREL'MAN, L.M.; PETROV, G.D.; PETROV, N.M.; POLYAKOV,  
 V.I.; VATSSLAVSKAYA, L.Ya.; VAKHRAMEYEV, S.A.; VERZHITSKIY, A.M.;  
 VLASOV, P.A.; VOL'FSON, A.V.; VOSHCHININ, A.I.; DZHUNKOVSKIY, N.N.;  
 DOMBROVSKIY, N.G.; YEPIPANOV, S.P.; YEFREMEYKO, V.P.; ZELICHENOK, G.G.;  
 ZIMIN, P.A.; POPOVA, N.T.; ROGOVSKIY, L.V.; REBROV, A.S.; SAPRYKIN, V.A.;  
 SOVALOV, I.G.; SOSHIN, A.V.; STARUKHIN, N.M.; SUHANYAN, G.S.; TOLORAYA,  
 D.F.; TROITSKIY, Kh.L.; TUSHNYAKOV, M.D.; FROLOV, P.T.; TSIRKUNOV, I.P.

Andrei Vladimirovich Konorov; obituary. Mekh. stroi. 16 no.1:32 Ja  
 '59. (MIRA 12:1)

(Konorov, Andrei Vladimirovich, 1890-1958)



VERZHITSKIY, A. M., Eng.

Excavating Machinery

E-2001 excavator, Mekh. stroi. 10, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

VERZHKHOVSKAYA, A.A.; BONDARCHUK, Ye.A.; LIKHTOROVICH, S.A.

Data on conditions of appearance of complications in scarlet fever  
and their prevention. *Pediatrics*, Moskva no.6:41-45 Nov-Dec 1953.

(GIML 25:5)

1. Of the Third Clinical Division (Head -- Prof. I. L. Bogdanov),  
Institute of Infectious Diseases (Director -- Prof. I. L. Bogdanov),  
Academy of Medical Sciences USSR.

VERZHEKHOVSKAYA, A.A., kandidat meditsinskikh nauk

Sanazine therapy of dysentery in children. *Pediatrics* no.2:  
47-50 Mr-Apr '54. (MLRA 7:6)

1. Iz I klinicheskogo otdeleniya (sav. prof. V.Ya. Padalka)  
Instituta infektsionnykh bolezney AMN SSSR (dir. prof. I.L.  
Bogdanov)

(DYSENTERY, in infant and child,

\*ther., antibiotic sanazine)

(ANTIBIOTICS, therapeutic use,

\*sanazine in dysentery in inf. & child.)

VERZHKHOVSKAYA, A.A., kandidat meditsinskikh nauk

Study of the clinical aspects of dysentery in children. Pediatric.  
no.4:26-29 J1-Ag '54. (MLRA 7:10)

1. Iz pervogo klinicheskogo otdeleniya (zav. prof. B.Ye. Padalka)  
Instituta infektsionnykh bolezney AMN SSSR (dir. prof. I.L. Bogdanov)  
(DYSENTERY, in infant and child,  
clin. aspects)

*VERZHKOVSKAYA, A.A.*

MAR'YASHEVA, A.M., dotsent; VERZHKOVSKAYA, A.A., kandidat meditsinskikh nauk; BONDARCHUK, Ye.V.

Hematological data as supporting criteria for cure in scarlet fever.  
Pediatriia no.6:56-59 N-D '54. (MLRA 8:4)

1. Iz 3-go klin. otdel. (sav.-prof. I.L.Bogdanov) Insituta infekts. bolezney AMN SSSR.

(SCARLET FEVER, blood in  
hematol. data as criteria of cured dis.)

(BLOOD, in various diseases  
scarlet fever, criteria of cured dis.)

VERZHEKHOVSKAYA, A.A., kandidat meditsinskikh nauk.

A study of higher nervous activity in children at various stages  
of scarlet fever. *Pediatrics*, no.5:17-22 8-0 '55. (MLRA 9:2)

1. Iz immunologicheskoy laboratorii (sav.-prof. N.N. Sirotinin)  
i 3-go klinicheskogo otdeleniya (sav. - prof. I.L. Bogdanov)  
Instituta infektsionnykh bolezney AMN SSSR.

(SCARLET FEVER,

nervous system activity in various stages in child.)

(NERVOUS SYSTEM, in various dis.

scarlet fever, activity in various stages)

VIADIMEROV, B.D.; KOMENDANTOVA, M.V., kandidat meditsinskikh nauk;  
~~VBRZHEKHOVSKAYA, A.A.~~ kandidat meditsinskikh nauk (Kiyev);  
YANOVSKAYA, B.I., doktor biologicheskikh nauk; MARSHAK, M.S.,  
professor

Advice from "Zdorov'ye." Zdorov'ye 3 no.2:30-31 P '57. (MLRA 10:3)  
(MILK) (SCARLET FEVER)

UGRYUMOV, B. L., doktor med. nauk; VERZHKHOVSKAYA, A. A., kand. med. nauk;  
KIRICHENKO, D. F. (Kiyev)

Side effects of hormone therapy in infectious hepatitis. Vrach.  
delo nr.3:112-117 Mr '62. (MIRA 15:7)

1. Institut infektsionnykh bolezney AMN SSSR.

(HEPATITIS, INFECTIOUS) (HORMONE THERAPY)



OROMASHEVSKAYA, I.L.; VERZHKHOVSKAYA, A.A.; ENLOUS, G.V.; GIRICHENVA, G.A.  
(Kiyev)

Some biochemical indexes in the diverse course of Botkin's disease.  
Vrach.delo no.10:1059-1062 O '59. (MIRA 13:2)

1. Institut infektsionnykh bolezney AMN SSSR.  
(HEPATITIS, INFECTIOUS) (ALDOLASE)

VERZHKOVSKAYA, A.A.; KOSHEL', N.G.

Renal complications and home isolation in scarlet fever. Pediatrics  
no.8:77 Ag '57. (MIRA 10:12)

1. Iz Instituta infektsionnykh bolezney AMN SSSR.  
(SCARLET FEVER) (KIDNEYS--DISEASES)

EX: PEDIATRIA Sec 7 Vol. 11/7 Pediatrics July 57

1790. VERZHKHOVSKAYA A.A. \*'Higher nervous activity' at various stages of scarlet fever (Russian text) PEDIATRIJA 1955, 5(17-22) 'Higher nervous activity' was examined in patients aged 7-8 yr. by the Ivanov and Smolensky method and a method of the Institute for Clinical Physiology of the Soviet Academy of Sciences. It appeared that 'higher nervous activity' is disturbed during the illness but returns to normal by the 30th day. Children discharged early from hospital (i. e. after 15-21 days) should be kept on a suitable regimen at home (avoidance of excitement; sufficient sleep; adequate diet).  
Najman - Zagreb

MOROZKIN, N.I., prof.: VERZHKHOVSKAYA, A.A., kand.medsitsinskikh nauk;  
FEDULOVA, Ye.G., kand.medsitsinskikh nauk; GROMASHEVSKAYA, L.L.,  
kand.medsitsinskikh nauk (Kiyev)

Age characteristics of the clinical course of infectious hepatitis.  
Vrach.delo no.5:457-462 My '60. (MIRA 13:11)

1. Institut infektsionnykh bolezney AMN SSSR. 2. Chlen-korrespondent  
AMN SSSR (for Morozkin).  
(HEPATITIS, INFECTIOUS)

BRATUS', V.D., dots., red.; BARCHENKO, I.P., prof., zam. red.;  
VERZHIKOVSKAYA, N.Y., dots., red.; GROMASHEVSKIY, L.V.,  
prof., red.; SHAKHBAZYAN, G.Kh., prof., red.; BARANNIK,  
P.I., prof., red.; SEMAL', D.D., dots., red.; POZHANSKIY,  
S.S., dots., red.; KALYUZHENY, D.N., red.; CHUCHUPAK, V.D.,  
tekhn. red.

[Hygienic norms and the sanitation of the external environ-  
ment] Gigienicheskie normativy i ozdorovlenie vneshnei sredy;  
sbornik nauchnykh rabot. Kiev, Gosmedizdat USSR, 1961. 268 p.  
(MIRA 15:11)

1. Kiev, Medychnyi instytut. 2. Deystvitel'nyy chlen Akademii  
meditsinskikh nauk SSSR (for Gromshevskiy). 3. Chlen-  
korrespondent Akademii meditsinskikh nauk SSSR (for Shakhbazyan).
4. Direktor Kiyevskogo meditsinskogo instituta (for Bratus').
5. Kafedra gigiyeny pitaniya Kiyevskogo meditsinskogo instituta  
im. A.A.Bogomol'tsa (for Barchenko). 6. Kafedra obshchey gigiyeny  
Kiyevskogo meditsinskogo instituta Kiyevskogo meditsinskogo in-  
stituta im. A.A.Bogomol'tsa (for Verzhikovskaya, Shmal').

(PUBLIC HEALTH)

BOGATSKAYA, L.N.; VERZHIKOVSKAYA, N.V.

Comparative characteristics of the intensity of tissue respiration  
of the myocardium and liver in white rats of various age periods.  
Vop. geron. i geriat. 4:121-125 '65. (MIRA 18:5)

1. Meditsinskiy institut, Kiyev i Institut gerontologii AMN SSSR,  
Kiyev.

VERZHITSKIY, A.M., inzh.

Limiting noise intensity in shovel excavators. Mekh. stroi.  
19 no.9:13-14 S '62. (MIRA 15:9)  
(Excavating machinery--Noise)

VERZHIKOVSKIY, Anatoliy Pavlovich; GABIS, Nikolay Vladimirovich;  
KITAYEV, Nikolay Mikhaylovich; TYNANKIN, Ivan Ignat'evich;  
KHORBENKO, I.G., kapitan 2 ranga, red.; KUZ'MIN, I.F., tekhn.  
red.

[Concise dictionary on radio electronics] Kratkii slovar' po  
radioelektronike. Moskva, Voenizdat, 1964. 255 p.  
(MIRA 17:2)



VERZHKOVSKIY, D., polkovnik.

From the history of the development of means and methods for  
antitank defense. Voen.vest. 33 no.16:39-46 N '53. (MIRA 10:10)  
(Tank warfare)

VERZHKROVSKI, Y. [Wierzchowski, J.]; DOMBROVSKI, T.; GANOVYAK, Z. [Hanowiak, Z.]

Study of the nutritional value of nutria meat. Vop. pit. 19 no.2:  
87-88 Mr-Apr '60. (MIRA 14:7)

1. Iz kafedry nauki o pishchevykh produktakh (zav. - prof. I.  
Verzhkhovski) Meditsinskoy akademii i otdela gigiyeny pitaniya  
oblastnoy sanitarno-epidemiologicheskoy stantsii, Gdansk, Pol'sha.  
(MEAT) (COYPU)

VERZHUTSKIY, B. N.

Some new sawflies of the cis-Baikal region, the pests of coniferous  
stands. Izv. SO AN SSSR no.4 Ser. biol.-med.nauk no.1:100-104 '65.  
(MIRA 18:8)

1. Vostochno-Sibirskiy biologicheskiy institut Sibirskogo otdeleniya  
AN SSSR, Irkutsk.

ACCESSION NR: AR4039970

S/0299/64/000/009/DJ05/D005

SOURCE: Ref. zh. Biol. Sv. t., Abs. 5128 B

AUTHOR: Rozhkov, A. S.; Vorzhutskiy, B. N.; Byalaya, I. V.;  
Volikova, L. M.

TITLE. A study of relationships between phenological phenomena in  
East Siberia. Report I. Kyzymenskaya valley (Bayandayevskiy rayon  
of Irkutsk oblast'), May-June 1960

CITED SOURCE: Biol. Vost.-Sib. fenol. komis., vyup. 2-3, 1963, 42-46

TOPIC TAGS: East Siberia, phenology

TRANSLATION: A study of relationships between phenological dates in  
a seasonal rhythm enables the finding of indicators of important  
moments in plant and animal life which are difficult to record and

harmful insects.

SUB CODE: LS

ENCL: 00

Card 1/1

ACC NR: AP7001089 (A.N) SOURCE CODE: UR/0439/66/045/005/0775/0775

AUTHOR: Verzhutskiy, B. N.; Polyakova, Ye. V. (Deceased)

ORG: East Siberian Biological Institute, Siberian Branch, Academy of Sciences SSSR, Irkutsk (Vostochnosibirskiy biologicheskii institut Sibirskogo otdeleniya Akademii nauk SSSR)

TITLE: The sawfly *Hoplocampa ehippiata* Knw., a pest of Siberian apple trees

SOURCE: Zoologicheskii zhurnal, v. 45, no. 5, 1966, 775

TOPIC TAGS: parasitology, <sup>ANIMAL</sup> ~~plant~~ parasite, ~~plant pest~~, AGRICULTURE  
~~CROP, PLANT INJURY~~

ABSTRACT: A pest of Siberian apple trees, studied in Pribaykal'ye in 1952--1953, has recently been identified as *Hoplocampa ehippiata* Knw., not the sawfly species *Hoplocampa testudinea* Kl., as previously supposed. *Hoplocampa ehippiata* differs from the related species both morphologically (it is darker and smaller) and biologically. Although *Hoplocampa ehippiata* has been found only in the Irkutsk rayon, it is apparently as widely distributed as the Siberian apple tree, i.e. from the southern part of Eastern Siberia to the Far East.

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001

Card 1/1

UDC:none

VERZHIKOVSKAYA, N.V. [Verzhikiv's'ka, N.V.]

Some age-related characteristics of changes in the thyroid function and the sensitivity of tissues to the effect of thyroid hormones.

Fiziol.zhur. [Ukr.] 10 no.4:543-546 J1-Ag '64.

(MIRA 18:11)

1. Laboratoriya endokrinologii Instituta gerontologii AMN SSSR, Kiyev.

DZHALALBEKOVA, L.A.; VERZILIN, I.M., prof., red.; ZUBKOV, A.I., red.;  
KALESNIK, S.V., prof., red.; NEVSKIY, S.V., red.; OBRUCHEV, S.V.,  
prof., red.; RODIN, L.Ye., doktor biol. nauk, red.; USPENSKIY,  
L.V., pis., red.; SHCHERBAKOV, D.I., akademik, red.; GRODENSKIY,  
G.P., otv. red.; LEONT'YEVA, L.B., tekhn. red.; TRUSOVA, P.L.,  
tekhn. red.

[The globe; geographical yearbook for children] Globus; geogra-  
ficheskiy ezhegodnik dlia detei. Detgiz, Leningrad, 1962. 428 p.  
4 maps. (MIRA 16:5)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk (for  
Verzilin). 2. Chlen-korrespondent Akademii nauk SSSR (for Kalesnik,  
Obruchev).

(Geography—Yearbooks)

VERZILIN, N. M.

Lysenko, Trofim Denisovich, 1898-

Methods used in lessons on the topic "Works of Academician T. D. Lysenko, successor of  
N. V. Michurin." Est. v shkole, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1952 ~~1953~~, Unclassified.



VERZILIN, N.-M.

Botany - Study and Teaching

Spring botanical excursions (5th grade). Est. v shkole no.2:62-68 Mr-Ap '52.

9. Monthly List of Russian Accessions, Library of Congress, July 195~~8~~<sub>2</sub>. Unclassified.

VERZILIN, N.M.

[On the trail of Robinson] Po sledam Robinzona. 2 izd. dop.  
i ispr. Moskva, Gos.izd-vo detskoi lit-ry M-va prosv.  
RSFSR, 1953. 277 p. (MIRA 16:4)  
(Botany)

VERZILIN, N.M.

Kak prepodavat' botaniku (How to teach botany). Izd. 2-e, Moskva, Akademiia pedagogicheskikh nauk RSFSR, 1953. 360 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

VERZILIN, Nilolay Mikhaylovich; YELAGIN, V.D., redaktor; GARNIK, V.P.,  
~~tekhn. redaktor~~

[Botany lessons in class 6] Uroki botaniki v shestom klasse.  
Moskva, Izd-vo Akademii pedagog. nauk RSFSR, 1954. 286 p.  
(Botany--Study and teaching) (MLRA 8:1)

VERZILIN, N.M., redaktor; SEEBIN, O.M., redaktor; GARNEK, V.P., tekhnicheskii redaktor

[Teachings of I.P.Pavlov in the school; the experience of teachers and general conclusions] Uchenie I.P.Pavlova v shkole; opyt uchitelei i ego obobshchenie. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1955. 212 p. (MIRA 8:7)

(Pavlov, Ivan Petrovich, 1849-1936)

VERZILIN, Nikolay Mikhaylovich; YELAGIN, V.D., redaktor; MISHCHENKO,  
A.I., redaktor; GARNIK, V.P., tekhnicheskii redaktor.

[Principles of methods of teaching botany] Osnovy metodiki pre-  
podavaniia botaniki. Moskva, Izd-vo Akademii pedagogicheskikh  
nauk RSFSR, 1955. 817 p. (MLRA 8:11)

1. Chlen-korrespondent APN RSFSR (for Versilin)  
(Botany--Study and teaching)

VERZILIN, N.

YELAGIN, VI.

In the green world of plants (Journey with domestic plants."  
N.Verzilin. Reviewed by VI.Elagin). Vokrug sveta no.1:60-61  
Ja'55. (MLRA 8:2)  
(Verzilin, N.) (House plants)

USSR / General Division, Problems of Teaching

A-7

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 143

Author : Verzilin, N.M., Kazakova, O.V., Korsunkaia, V.M. Rykov, N.A.

Inst : Not Given

Title : On the Methodical Preparation of Biology Teachers for Work  
in Schools

Orig Pub : Izv. Akad. med. nauk RSFSR, 1955, vyp. 74, 185-212

Abstract : On the basis of a study of tests of the work of young Lenin-grad teachers, it is shown that the reasons for the poor : e-  
paration of graduates of pedagogical institutes consist in  
the insufficient number of hours allotted to methods (3.2%)  
in the educational plan of the institutes, in the low quality  
of the program on methods, in the absence of textbooks, and  
also in connection with other subjects, in the unsatisfactory  
organization of lectures and practical study, and others. The  
fundamental fault is the gap between theory and practice. The  
preparation of teachers demands fundamental changes.'

Card : 1/1



~~VERZILIN, Nikolay Mikhaylovich~~; ZAVITAYEV, P.A.; KORSUNSKAYA, V.M.; PADALKO, N.V.; RYKOV, N.A.; SOKOLOV, N.L.; SHIBANOV, A.A.; YELAGIN, V.D., redaktor; GORNENK, V.P., tekhnicheskiy redaktor

[Working with pupils on school experimental plots] Metodika raboty s uchashchimisya na shkol'nom uchebno-opytном uchastke. Pod red. N.M. Verzilina. [Moskva] Izd-vo Akademii pedagog. nauk RSFSR, 1956. 685 p. (MIRA 9:11)

1. Leningradskiy nauchno-issledovatel'skiy institut pedagogiki Akademii pedagogicheskikh nauk (for Verzilin, Korsunskaya, Rykov, Sokolov) 2. Yestestvennonauchnyy institut im. P.P. Lesgafta Akademii pedagogicheskikh nauk (for Shibarov) 3. Institut metodov obucheniya Akademii pedagogicheskikh nauk (for Zavitayev, Padalko) 4. Chlen-korrespondent APN RSFSR (for Verzilin)  
(School gardens)

VERZILIN, Nikolay Mikhaylovich

VERZILIN, Nikolay Mikhaylovich (Leningrad Sci-Res Inst. of Pedagogy, Acad. of Pedagogical Sci RSFSR), Academic Degree of Doctor of Pedagogical Sciences, based on his defense, 13 May 1955, in the Council of the Sci. Res Inst of Methods of Instruction, Acad Pedagogical Sci RSFSR, of his dissertation entitled: "System of Teaching Botany in Secondary Schools." For the Academic Degree of Doctor of Sciences.

SO: Byulleten' Ministerstva Vysshego Obrazovaniya SSSR, List No. 6, 17 March 1956, Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

JPRS 512

VERZILIN, N.M., doktor pedagogicheskikh nauk.

Letter to the editor. Est. v shkole no.6:82-84 N-D '56. (MLRA 9:12)

1. Chlen-korrespondent Akademii Pedagogicheskikh nauk RSFSR.  
(Botany) (Bacteriology)

*VERZILIN, N.M.*

REYZIN, Eduard Karlovich; VERZILIN, N.M., doktor pedagogicheskikh nauk, professor, redaktor; PROPERANSOVA, N.V., redaktor; TARASOVA, V.V., tekhnicheskii redaktor.

[Botanical exhibits in instruction] Uchebnye vystavki rastenii. Moskva, Izd-vo Akad.pedagog.nauk RSFSR, 1957. 114 o. (MIRA 10:11)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Versilin).

(Botany--Exhibition)

KHRSHANOVSKIY, A.A., otv.red.; AL'TMAN, L.P., red.; VERZILIN, N.M.,  
red.; GRODENSKIY, G.P., red.; OBRUCHEV, S.V., red.; SUSLENNI-  
KOVA, M.M., tekhn.red.; LEONT'YENVA, L.B., tekhn.red.

[Globus; a geographical yearbook for children, 1957] Globus;  
geograficheskii ezhegodnik dlia detei, 1957. Leningrad, Gos.  
izd-vo detskoi lit-ry M-va prosv.RSFSR, 1957. 438 p.  
(MIRA 12:8)

(Geography---Juvenile literature)

VERZILIN, N.M.

VERZILIN, N.M., professor.

~~Classifying methods of teaching biology in schools.~~ Biol.v shkole  
no.2:14-21 Mr-Apr '57. (MLRA 10:5)

1.Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR.  
(Biology--Study and teaching)

TSABENKO, F.F., red.; AL'TMAN, L.P., red.; VERZILIN, N.M., red.; BARKOV,  
I.I., red.; OBRUCHEV, S.V., red.; LEONT'YEVA, L.B., tekhn.red.

[The globe; geographical yearbook for children] Globus; geogra-  
ficheski eshegodnik dlia detei, 1960. Leningrad, Gos.isd-vo  
detskoi lit-ry M-va prosv.RSFSR, 1960. 341 p. (MIRA 13:8)  
(Geography--Yearbooks)

VERZILIN, N.M., prof., red.; SHADRINA, M.S., red.; NOVOSELOVA, V.V.,  
tekhn. red.

[Training of students in agricultural work] Podgotovka uchashchikhsia k trudu v sel'skom khoziaistve; sbornik pod red. N.M.Verzilina, Moskva, Izd-vo APN RSFSR, 1962. 106 p.  
(MIRA 15:9)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut vechernikh (smennykh) i zaochnykh srednikh shkol. 2. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Verzilin).  
(Agriculture--Study and teaching)



VERZILIN, Nikolay Mikhaylovich; KAZAKOVA, Ol'ga Vasil'yevna;  
KORSUNSKAYA, Vera Mikhaylovna; MAKAROVA, Klavdiya  
Grigor'yevna; SHAPOSHNIKOVA, A.A., red.

[Biology; a manual for students of eight-year evening  
schools with an accelerated course of training] Biologiya;  
uchebnoe posobie dlia uchashchikhsia klassov s uskorenny  
srokom obucheniia vos'miletnei vechernei shkoly. [By] N.M.  
Verzilin i dr. Moskva, Prosveshchenie, 1964. 415 p.  
(MIRA 17:11)

DZHALALBEKOVA, L.A., prof.; VERZILIN, N.M., prof., red.;  
ZUBKOV, A.I., red.; KALESHNIK, S.V., prof., red.;  
KISELEV, Yu.N., red.; NEVSKIY, V.V., red.; OBRUCHEV,  
S.V., prof., red.; RODIN, L.Ye., doktor biol. nauk,  
red.; USPENSKIY, L.V., red.; SHCHERBAKOV, D.I.,  
akademik, red.

[The globe, a Geographical yearbook for children]  
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1. Chlen-korrespondent Akademii pedagogicheskikh nauk  
(for Verzilin). 2. Chlen-korrespondent AN SSSR (for  
Kiselev, Rodin). 3. Prezident Vsesoyuznogo Geograficheskogo  
obshchestva (for Kiselev).

DZHALALBEKOVA, L.A.; VERZILIN, N.M., prof., red.; ZUBKOV, A.I., kand.  
geogr. nauk, red.; KALESNIK, S., red.; KISELEV, Yu.N.,  
red.; NEVSKIY, V.V., kand. geogr. nauk, red.; RODIN, L.Ye.,  
prof., red.; USPIENSKIY, L.V., doktor biol. nauk, red.;  
SHCHERBAKOV, D.I., akademik, red.; OBRUCHEV, S.V., red. [deceased]

[The Globe, 1965; geographical yearbook for children] Globus 1965;  
geograficheskii ezhegodnik dlia detei. Leningrad, Detskaiia li-  
teratura, 1965. 333 p. (MIRA 19:1)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk (for  
Verzilin). 2. Chlen-korrespondent AN SSSR (for Kalesnik,  
Obruchev).

VERZILIN, M.N.

Lithology of interglacial deposits in the southern part of the  
Kola Peninsula. Vest. Len. un. 11 no.24:81-88 '56. (MLRA 10:2)

(Kola Peninsula--Geology, Stratigraphic)

COUNTRY : USSR  
 CATEGORY : Plant Physiology. Water Regimen. I  
 ABS. JOUR. : RZhBiol., No. 6 1959, No. 24560  
 AUTHOR : Skazkin, F.D.; Verzilin, N.N.  
 INST. : Academy of Sciences, USSR  
 TITLE : The Influence of Excess Soil Moisture on the Growth, Development and Yield of Barley In Connection With Its Stages of Growth  
 ORIG. PUB. : V sb.; Pamyati akad. N.A. Maksimova, 1957, 113-117  
 ABSTRACT : Barley plants of the drought-resistant Pallidum 43 variety and **hygrophilous** Wimer grew in vegetation containers under different conditions of soil moisture. Excess watering of soil during the light phase retarded development, excess wetting during vernalization did not affect the rate of differentiation of the growing point. In plants of the Pallidum variety, excess wetting of the soil from early growth to ear formation and in the light phase reduced yield of grain, especially

CARD: 1/3

30

COUNTRY	:	
CATEGORY	:	I
ABS. JOUR.	:	RZhBiol., No. 6 1959, No. 24560
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	:	sharply in the latter case by a considerable reduction of weight of straw. Excess watering in the vernalization stage did not influence the yield of grain, but reduced the weight of straw, and in the period from the end of the light phase to ear formation it favorably influenced the yield of grain and straw. In plants of the Wimer variety, excess watering had a negative effect on the yield only during the light phase; in the other phases of development it had a positive effect. <sup>W</sup> Excess

CARD: 2/3

COUNTRY :  
CATEGORY :

I

ABS. JOUR. : RZhBiol., No. 6 1959, No. 24560

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : watering of the soil from the end of the light phase to ear formation in both varieties, an increase of grain yield led to a reduction of overall N content. The work was carried out at the biological station of the Leningrad Pedagogical Institute. Bibliography of 20 titles.--T. F. Koretskaya.

CARD: 3/3

31

VERZILIN, N.N.

Comparative effectiveness of urea as applied to foliage and roots of potatoes. Nauch.dokl.vys.shkoly; biol.nauki no.3:183-185 '59. (MIRA 12:10)

1. Rekomendovana kafedroy fiziologii rasteniy Leningradskogo gosudarstvennogo universiteta im. A.A.Zhdanova.  
(Potatoes--Fertilizers and manures) (Urea)



VERZILIN, N.N.

Effect of the type and amount of nitrogen fertilizers on yields  
and chemical composition of potatoes. Vest. LGU 14 no.21:14-27  
'59. (MIRA 12:10)

(Potatoes--Fertilizers and manures)  
(Plants, Effect of nitrogen on)

VERZILIN, N. N., Cand Biol Sci -- (diss) "Effect of root and extra-root fertilizing of potatoes with various forms of nitrogen fertilizers on the biochemical composition of potatoes." Leningrad, 1960. 15 pp; (Academy of Sciences USSR, Botanical Inst im V. L. Komarov); 250 copies; price not given; (KL, 32-60, 146)

CHESNOKOV, V.A.; PINEVICH, V.V.; VERZILIN, N.N.; STEPANOVA, A.M.

Some results of mass culture of unicellular algae. Vest. LGU 15  
no.9:29-36 '60. (MIRA 13:4)

(ALGAE)

VERZILIN, Nikita Nikolayevich; D'YAKONOVA-SAVEL'YEVA, Ye.N., red.;  
VASIL'YEV, L.L., red.; IVANOV, A.V., red.; KOLOSOV, N.G., red.;  
MAKAROV, P.O., red.; POLKANOV, A.A., red. [deceased]; POLYANSKIY,  
YU.I., red.; STEPANOV, D.L., red.; SHVETSOVA, E.M., red.;  
YASHCHURZHINSKAYA, A.B., tekhn. red.

[Cretaceous sediments in the northern part of the Fergana Valley  
and their oil potential] Melovye otlozheniia severa Ferganskoi  
vpadiny i ikh neftenosnost'. Leningrad, Gostoptekhzdat,  
1963. 219 p. (Leningradskoe obshchestvo estestvoispytatelei.  
Trudy, vol. 70, no.2). (MIRA 16:12)

VERZILIN, N.K.; MOEHINA, Ye.V.

Stratigraphy and paleogeography of Cretaceous sediments in the  
Fergana intermontane trough. Sov. geol. 7 no.5:7-37 May '64  
(I. RA 18:2)

1. Leningradskiy gosudarstvennyy universitet.

VERZILIN, N.N.

Effect of turbid currents on the sedimentation of Cretaceous  
sediments in the Fergana Valley. Izv.vys.ucheb.zav.; geol. i  
razv. 8 no. 2:60-67 F '65. (MIRA 18:3)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.

VERZILIN, N.N.; OKNOVA, N.S.

Terrigenous mineralogical subprovinces of Cretaceous sediments in  
the northern half of the Fergana intermontane depression. Sov. geol.  
8 no.4:125-129 in '65. (MIRA 18:7)

1. Leningradskiy gosudarstvennyy universitet i Vsesoyuznyy nauchno-  
issledovatel'skiy geologorazvedochnyy institut.

VERZILIN, N.N.; MIRONENKO, O.A.; OKNOVA, N.S.

Paleogeographic and stratigraphic significance of studying the heavy minerals of aleurite-arenaceous sediments in intermontane troughs. *Izv. vys. ucheb. zav.; geol. i razv.* 7 no.4:77-83  
Ap '64. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy institut.



VERZILIN, N.N.

Some basic problems of the conditions governing the formation of Cretaceous sediments in Fergana as related to the study of Mesozoic weathering surfaces. Dokl. AN SSSR 164 no.2:414-417 S '65.  
(MIRA 18:9)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.  
Submitted May 26, 1965.

PINEVICH, V.V.; VERZILIN, N.N.; STEPANOV, S.I.

Standard installation for the mass culture of unicellular algae.  
Fiziol. rast. 11 no.6:1084-1089 N-D '64.

(MIRA 18:2)

1. Biologicheskii nauchno-issledovatel'skiy institut Leningradskogo gosudarstvennogo universiteta imeni Zhdanova.

VERZILIN, N.N.

Angular and stratigraphic unconformity between the Cretaceous  
and the Paleogene sediments in northern Fergana. Vest. LGU  
18 no.18:164-165 '63. (MIRA 16:11)

VERZILIN, N.N.

Effect of diagenetic processes on a change in the composition of  
silt and sand deposits. Dokl. AN SSSR 151 no.5:1182-1184 Ag  
'63. (MIRA 16:9)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.  
Predstavleno akademikom N.M.Strakhovym.  
(Petrology)

VERZILIN, N.N.

Conditions governing the formation of Lower Cretaceous red beds  
in the southwestern spur of the Gissar Range and possibilities of  
the presence of oil producing rocks among them. Uch. zap. LGU no.  
310:212-223 '62. (MIRA 16:11)

VERZILIN, N. N.

Classification of mixed sedimentary rocks. Uch.zap. IGU no. 310:  
123-133 '62. (MIRA 16:11)

PINEVICH, V.V.; VERZILIN, N.N.

Cultivation of protococcaceous algae in installations under  
the open sky. Vest. LGU 18 no.15:75-97'63. (MIRA 16:9)  
(ALGAE—CULTURES AND CULTURE MEDIA)

VERZILIN, N.N.

Role of turbulent currents in the Cretaceous sedimentation of  
the Fergana intermountain area. Dokl. AN SSSR 151 no.2:399-401  
Jl '63. (MIRA 16:7)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.  
Predstavleno akademikom N.M.Strakhovym.  
(Fergana—Geology, Stratigraphic)



VERZILIN, N.N.

Stratigraphy of Cretaceous sediments in northeastern and northern  
Fergana. Vest. LGU 18 no.12:5-17 '63. (MIRA 16:8)  
(Fergana—Geology, Stratigraphic)

VERZILIN, N.N.

The Cretaceous and pre-Cretaceous weathering crust in northern  
Fergana. Dokl. AN SSSR 146 no.5:1153-1155 0 '62. (MIRA 15:10)

1. Predstavleno akademikom N.M.Strakhovym.  
(Fergana—Geology, Stratigraphic)

VERZILIN, N.N.; TURUTANOVA-KETOVA, A.I.

Age of Cretaceous sediments in northeastern Fergana and their  
boundary with Jurassic sediments. Vest. LGU 17 no.12:87-88  
'62. (MIRA 15:7)

(Fergana—Geology, Stratigraphic)

VERZILIN, N.N.

Existence of Cretaceous insular source areas in Central Asia.  
Vest.LGU 17 no.6:140-145 '62. (MIRA 15:4)  
(Soviet Central Asia--Landforms)

VERZILIN, N.M.

Neptunic dikes in Cretaceous deposits of northeastern Fergana.  
Dokl. AN SSSR 140 no.4:895-897 0 '61. (MIRA 14:9)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.  
Predstavleno akademikom D.V.Nalivkinym.  
(Fergana--Dikes (Geology))

PINEVICH, V.V.; VERZILIN, N.K.; VASIL'YEVA, V.Ye.

Effect of gibberellic acid on protococcoid algae. Nauch. dokl.  
vys. shkoly; biol. nauki no.3:151-154 '61. (MIRA 14:7)

1. Rekomendovana kafedroy fiziologii rasteniy i laboratoriyey  
massovogo kul'tivirovaniya vodorosley Biologicheskogo instituta  
Leningradskogo gosudarstvennogo universiteta im. A.A.Zhdanova.  
(GIBBERELIC ACID) (ALGAE)

VERZILIN, N.N., kand.biolog.nauk

Cultivation of single-cell algae. Vest.AN SSSR 31 no.6:97-99 Je  
'61. (MIRA 14:6)

(Algae)

PINEVICH, V.V.; VERZILIN, N.N.; MASLOV, Yu.I.

Effect of different nitrogen sources on growth and mass accumulation  
in *Chlorella pyrenoidosa*. Vest.LGU 16 no.9:16-25 :61. (MIRA 14:5)

(Algae—Cultures and culture media)  
(Plants, Effect of nitrogen on)



PINEVICH, V.V.; VERZILIN, N.N.

Effect of maleic acid hydrazide on some protococcoid algae. Dokl.  
AN SSSR 137 no.5:1230-1232 Ap '61. (MIRA 14:4)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova. Pred-  
stavleno akademikom A.L.Kursanovym.  
(Algae—Culture and culture media) (Pyridazinedione)

27.2000

4012.

23455  
S/030/61/000/006/007/014  
B101/B206

AUTHOR: Verzilin, N. N., Candidate of Biological Sciences

TITLE: Cultivation of unicellular algae

PERIODICAL: Akademiya nauk SSSR. Vestnik, no. 6, 1961, 97 - 99

TEXT: The following aims are given for the cultivation of unicellular algae: (1) production of additional protein- and vitamin fodder for cattle breeding and pisciculture; (2) production of valuable substances (vitamins, amino acids, preparations tagged with isotopes, etc.) for the food-, chemical, and pharmaceutical industry; (3) waste-water purification; (4) increase of the yield of soils; (5) biological air regeneration; (6) production of additional foodstuff. Due to the intensive study in this field, an All-Union Conference on the Cultivation of Unicellular Algae was held in Leningrad by the Biologicheskii institut Leningradskogo universiteta im. A. A. Zhdanova (Biological Institute of Leningrad University imeni A. A. Zhdanov (I)); Botanicheskii institut im. V. L. Komarova (Botanical Institute imeni V. L. Komarov (II)); Institut fiziologii rasteniy im. K. A. Timiryazeva Akademii nauk SSSR

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S/030/61/000/006/007/014  
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Cultivation of unicellular algae

(Institute of Plant Physiology imeni K. A. Timiryazev of Academy of Sciences USSR (III)), and the Belorusskiy universitet im. V. I. Lenina (Belorussian University imeni V. I. Lenin) from March 6 to 11. The Conference was attended by about 500 delegates from scientific institutes of the Academy of Sciences USSR, the AS of the Union Republics, VASKhNIL (All-Union Academy of Agricultural Sciences imeni V. I. Lenin), the universities, special institutes, and plants. 53 lectures were held. A. L. Kursanov, Director of (III), opened the Conference. A. A. Nichiporovich (III), V. V. Pinevich (I), and O. N. Rusina (Vsesoyuznyy institut kormov) (All-Union Institute of Fodder) gave a survey on the cultivation of protococcus algae in the open. The yield of biomass (7 - 12 g of dry substance per day and m<sup>2</sup>) can be increased through selection of active strains. V. A. Chesnokov (I), V. Ye. Semenenko and M. G. Vladimirova (III), S. A. Baranov, I. A. Terskov, I. I. Gitel'zon (Institut fiziki Sibirskogo Otdeleniya Akademii nauk SSSR), (Institute of Physics of the Siberian Department of Academy of Sciences USSR), and V. A. Korlyum (Institut mikrobiologii Akademii nauk USSR), (Institute of Microbiology of Academy of Sciences UkrSSR) (IV) reported on intensive laboratory methods of cultivation and automatic control. Maximum

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Cultivation of unicellular algae

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productivity is only achieved by means of intensive light sources with improved spectral composition. According to V. A. Chesnokov, a daily yield of 60 g/m<sup>2</sup> of dry substance and more can be obtained by a certain formation of the surface of the suspension during continuous lighting with 20,000 lux. N. B. Zavarzina (Institut mikrobiologii Akademii nauk SSSR), (Institute of Microbiology of Academy of Sciences USSR, (V)), and B. V. Gromov (I) reported on interaction between algae and bacteria. Bacteria are generally harmless for good algae cultures, but bacterial or virus infection may occur. Antibiotics are used as protective agents. At the Moskovskiy universitet (Moscow University) and Institut botaniki Akademii nauk USSR (Institute of Botany of Academy of Sciences UkrSSR), hyperhalic algae exceptionally resistant to microorganisms were cultivated. S. V. Goryunova, M. N. Ovsyannikova (V) and V. A. Kordyum (IV), as well as collaborators of Moscow University, reported on purification of algae from attendant microflora and methods of sterile cultivation. Problems of physiology were discussed, as well as the effect of light intensity, effect of various forms of nitrogen, physiologically active substances, utilization of algae for the biosynthesis of tagged proteins, production of B<sub>12</sub> and carotene. Studies on selection were described as being

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Cultivation of unicellular algae

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insufficient. L. I. Rubanchik (IV) reported on cultivation of a thermophilic chlorella variant. K. V. Kvitko (I) reported on selection by using mutagenic factors. G. G. Vinberg, T. N. Sivko, T. A. Sekolova, and R. I. Levina (Belorusskiy sanitarno-gigiyenicheskiy institut) (Belorussian Institute of Sanitation and Hygiene) reported on waste-water purification. The increase in biomass per lighted area in ponds reaches the values obtained for mass cultivation in the open. E. A. Gileva (Ural'skiy filial Akademii nauk SSSR), (Ural Branch of Academy of Sciences USSR) reported on the utilization of unicellular algae for the biological purification of water contaminated by radio isotopes. M. M. Gollerbakh (II) et al. pointed to imperfect systematics, especially of protococcus algae. Conclusions were drawn on studies made so far, and trends were pointed out for the intensification of research. The establishment of a coordination center and a central All-Union collection of algae strains is described as being necessary.

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21982

27.0000 4012

S/020/61/137/005/026/026  
B103/B208

AUTHORS: Pinevich, V.V. and Verzilin, N.N.

TITLE: Effect of maleic acid hydrazide on some Protococcales algae

PERIODICAL: Doklady Akademii nauk SSSR, v. 137, no. 5, 1961, 1230 - 1232

TEXT: The authors explain the contradictory data in publications on the growth-promoting effect of maleic acid hydrazide (MAH) by the fact that differently high concentrations of MAH had been used in plant experiments. Accordingly, MAH exerts a growth-promoting, or an inhibiting effect, depending on the degree of the concentration. The authors studied the effect of free MAH on low plants, i.e., on unicellular Protococcales algae, which might be made use of for mass culture: *Chlorella pyrenoidosa*, *Scenedesmus obliquus* and *Ankistrodesmus falcatus*. They determined the influence of the MAH concentration upon the intensity of cell division and the storage of dry substance. The algae were cultured in a conic 1 l flask in 500 ml culture medium of the following composition: (in mg/l) urea 257,  $K_2HPO_4$  200,  $MgSO_4 \cdot 7H_2O$  100,  $CaSO_4$  10,  $Co(NO_3)_2 \cdot 6H_2O$  0.02,  $CuSO_4 \cdot 5H_2O$  0.01,

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$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$  0.04,  $\text{MnSO}_4 \cdot 7\text{H}_2\text{O}$  1.0,  $\text{NaBO}_3$  1.4,  $(\text{NH}_4)_2\text{MoO}_7$  0.5, ethylene diamine tetraacetic acid (EDTA) 10.0 and  $\text{FeSO}_4$  2.6. The flasks were illuminated from the bottom with AC-30 (DS-30) luminescent lamps for 12 hr per 24 hr. The temperature of the culture medium was 25 - 27°C, air (5%  $\text{CO}_2$ -content) was bubbled through it. The experiment lasted from October 21 to November 5, 1959. Table 1 shows the results on *Chlorella pyrenoidosa*. The largest increase of cell number and dry substance was found to take place at MAH concentrations of  $10^{-2}$  and  $10^{-1}$  mg/l. The stimulating concentration  $10^{-2}$  mg/l also intensifies the photosynthesis and the respiration of the algae. Fig. 1 illustrates this effect per one flask and per one billion cells. The analogous stimulating action of MAH on the other two algae species may be seen from Table 3. The authors found that the effect of MAH on the afore-mentioned algae is somehow different from that of the growth-promoting substances of the auxin group (MYK (IUK) and MMK (IMK)). The latter also increased the number of cells, but reduced the dry substance of the algae (Table 2). The authors refute the hypothesis prevailing in publications on the antiauxinic effect of

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MAH (Refs. 5 and 6). They think it necessary to look for another explanation of the MAH-effect on growth processes on the basis of the available data (Refs. 4 and 7). They concluded from their results: 1) Intensity of cell division and storage of biomass by the cells are affected by different mechanisms; 2) MAH stimulates these two mechanisms in optimum concentrations, while the substances of the auxine group accelerate the cell division, but inhibit a further storage of biomass. References: R.G. Butenko, Yu.A. Baskakov (Ref. 4: Fiziol.rast., 7, no. 4, 385, 1960), A.C. Leopold, W.H. Klein (Ref. 5: Science, 114, 9, 1951), E.K. Weygood, A. Oaks, G.A. McLachlan (Ref. 6: Canad.J.Bot., 34, 905, 1956), F. Audus, R. Thresh (Ref. 7: Ann.Bot., 20, 434, 1955). There are 1 figure, 3 tables, and 7 references: 3 Soviet-bloc and 4 non-Soviet-bloc. The 3 most recent references to English language publications read as follows: L.W. Mericle, A.M. Eunus, R.P. Mericle (Ref. 3: Bot.Gaz., 117, no. 2, 142, 1955), E.L. Weygoog, A.Oaks, G.A. McLachlan (Ref. 6: Canad.J.Bot., 34, 905, 1956), L.F. Audus, R. Thresh, (Ref. 7: Ann.Bot. 20, 434, 1955).

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Effect of maleic acid ...

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B103/B208

ASSOCIATION: Leningradskiy gosudarstvennyy universitet im. A.A.  
Zhdanova (Leningrad State University imeni A.A. Zhdanov)

PRESENTED: December 3, 1960 by A.L. Kursanov, Academician

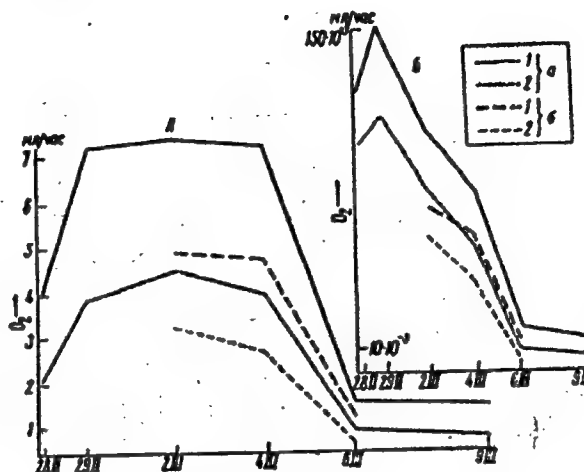
SUBMITTED: November 29, 1960

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Legend Fig. 1.

Effect of MAH on the  
photosynthesis (a) and  
respiration (b) in  
*Chlorella pyrenoidosa*.  
A per flask, B per 1  
billion cells,  
1) experiment;  
2) control.



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Effect of maleic acid ...

Таблица 1

Влияние ГМК на рост *Chlorella pyrenoidosa*

① Концентрация ГМК, мг/л	Число клеток, млн/мл		Сухой вес, мг на колбу	
	29 X (1)	29 X (2)	5 XI (3)	5 XI (4)
0	62,8±2,9	106±3,5	267±7,4	610±21,1
10 <sup>-3</sup>	69,9±1,8	111±3,4	289±9,8	637±26,3
10 <sup>-4</sup>	105,4±8,8	140±1,9	361±4,2	709±14,0
10 <sup>-5</sup>	98,7±3,0	139±4,2	344±10,8	684±16,4
1	73,1±7,5	105±1,1	329±10,7	656±18,7
10	61,5±2,1	114±1,3	298±3,9	615±16,3

Table 1. 1) MAH-concentration mg/l; 2) and 3) number of cells, millions per ml; 4) and 5) dry weight, mg per flask.

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Таблица 2

Действие веществ группы ауксинов на рост  
*Chlorella pyrenoidosa*

1) Концентрация ростовых веществ, мг/л	2) Число клеток, млн/мл		3) Сухой вес, мг/л		1) Концентрация ростовых веществ, мг/л	2) Число клеток, млн/мл		3) Сухой вес, мг/л	
	4) ИУК	5) ИМК	4) ИУК	5) ИМК		4) ИУК	5) ИМК	4) ИУК	5) ИМК
0	85,4	870	90,1	630	10 <sup>-3</sup>	94,2	580	116,5	580
10 <sup>-4</sup>	81,9	690	105,8	603	10 <sup>-2</sup>	93,0	620	98,7	603
10 <sup>-2</sup>	94,2	590	111,7	588	1	59,6	630	73,6	621

Table 2. 1) concentration of growth-promoting agents, 2) and 3) number of cells, millions per ml; 4) and 5) dry weight, mg/l.

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S/020/61/137/005/026/026  
B103/B208

Effect of maleic acid ...

Таблица 3

Влияние ГМК на одноклеточные зеленые водоросли

1	В миллиграммах на 1 колбу		В процентах к контролю
	2 конт. роль	3 опыт	
Scenedesmus obliquus	544	632	116
Ankistrodesmus falcatus	384	428	111
Chlorella pyrenoidosa	379	525	138

Table. 3. 1) species of algae; 2) and 3) in mg per flask; 2) control; 3) test; 4) in %, referred to the control.

Card 8/8

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(MIRA 14:12)

(Fergana--Earthquakes)

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Theory of heteropolar crystals. Calculation of the energy of the crystal lattice taking account of van der Waals interaction of ions. M. E. Yoffe. *Rev. Sci. Records Gorky State Univ.* 7, 112-21 (1956). — The equation for the crystal lattice energy was derived from that given by Born and Mayer (cf. C. A. 24, 3068). A. A. Podgorny

ABSTRACT METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNDICATE

FROM BOWLING

CLASSIFIED BY GUY 151

VERZILLOV, V. F.

PA 39/49T69

USSR/Medicine - Trees  
Medicine - Plants, Physiology

Mar 49

"The Influence of Auxigenic Stimulants on the  
Growth of Transplanted Trees," V. F. Verzilov,  
Inst Plant Physiol Imeni K. A. Timiryazov, Acad  
Sci USSR, 3 pp

"Dokl Ak Nauk SSSR" Vol LXV, No 3

Experiments showed that average growth of grafts  
and diameter of trunk was greater in treated  
trees than in the control group. Marked magnifi-  
cation was noted in the growth of the root system,  
which showed a development ten times greater than  
that of the control group in 18-year lindens treated  
with growth-stimulating substances. Experiment  
confirmed the positive action of stimulants in  
accelerating the growth of transplanted lindens,  
especially such substances as heteroaurin and 2,4-  
dichlorophenoxyacetic acid. Submitted by Acad  
N. A. Maksimov, 2 Feb 49.

39/49T69